Title (en)
combination of a closure and a product retaining container

Title (de)
Kombination eines verschlusses und eines produktaufbewahrungsbehälters

Title (fr)
Combinaison d'un bouchon et d'un récipient de conservation de produit

Publication
EP 2683620 B1 20181031 (EN)

Application
EP 12708023 A 20120309

Priority
- US 201161451192 P 20110310
- US 201161538242 P 20110923
- EP 2012054084 W 20120309

Abstract (en)

[origin: US2012228164A1] The disclosure relates to a closure for a container, such as, for example, a wine bottle. In one embodiment, the closure includes an oxidant releasing agent that is adapted to release oxygen into an interior portion of the container according to a predefined desired profile. In another embodiment, the closure comprises a gas containing reservoir, a membrane and a barrier layer, said membrane allowing an at least partial exchange of gas between the inside of said reservoir and the inside of said container, and said barrier layer at least partially preventing exchange of gas between the outside of said closure and the inside of said reservoir.

IPC 8 full level
B65D 51/28 (2006.01); **B65D 1/02** (2006.01); **B65D 81/20** (2006.01); **B65D 81/24** (2006.01); **B65D 81/32** (2006.01); **C12H 1/14** (2006.01); **C12H 1/22** (2006.01)

CPC (source: CN EP US)
B65D 1/02 (2013.01 - CN); **B65D 1/0207** (2013.01 - EP US); **B65D 1/0215** (2013.01 - EP US); **B65D 51/28** (2013.01 - CN); **B65D 51/2807** (2013.01 - EP US); **B65D 81/2069** (2013.01 - CN); **B65D 81/2076** (2013.01 - EP US); **B65D 81/2084** (2013.01 - EP US); **B65D 81/24** (2013.01 - CN EP US); **B65D 81/32** (2013.01 - CN); **B65D 81/3222** (2013.01 - EP US); C12H 1/14 (2013.01 - EP US); C12H 1/22 (2013.01 - EP US)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 2012228164 A1 20120913; AR 088776 A1 20140710; AU 2012224574 A1 20130509; AU 2012224574 B2 20160922; CA 2829257 A1 20120913; CL 2013002585 A1 20140425; CL 2015002424 A1 20160923; CN 103502107 A 20140108; CN 106043939 A 20161026; CN 106043939 B 20190517; EP 2683620 A1 20140115; EP 2683620 B1 20181031; ES 2708935 T3 20190412; NZ 615220 A 20150529; PT 2683620 T 20190206; US 2014231430 A1 20140821; US 9511912 B2 20161206; WO 2012120109 A1 20120913

DOCDB simple family (application)
US 201213416006 A 20120309; AR P120100787 A 20120309; AU 2012224574 A 20120309; CA 2829257 A 20120309; CL 2013002585 A 20130909; CL 2015002424 A 20150828; CN 201280021750 A 20120309; CN 201610460301 A 20120309; EP 12708023 A 20120309; EP 2012054084 W 20120309; ES 12708023 T 20120309; NZ 61522012 A 20120309; PT 12708023 T 20120309; US 201414263473 A 20140428